

**Appln No. 09/533,022**  
**Amdt date October 27, 2005**  
**Reply to Office action of September 20, 2005**

**REMARKS/ARGUMENTS**

Claims 1, 4, 6-9, 11-32 and 35-136 are pending. Claims 1, 9, 32, 72, 82, and 109 are amended.

Claims 7, 14, 16-18, 22-25, 28-31, 36, 38, 42, 45-51, 55-58, 78, 88, 90-92, 97, 98, 100, 106, 126-129 and 134-136 are objected to as being dependent on a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claims 7 and 36 were already rewritten in independent form in the previous response. Accordingly allowance of claims 7 and 36 is respectfully requested.

Claims 1, 4, 6, 8, 9, 11-13, 15, 19-21, 26-28, 31, 32, 35, 37, 39-44, 46, 47, 52-55, 59-77, 79-87, 89, 93-96, 99, 101-105, 107-125, and 130-133 are rejected under 35 U.S.C. 102(e) as being anticipated by Reesor et al. (US 6,282,286). Applicants submit that all of the claims currently pending in this application are patentably distinguishable over the cited references, and reconsideration and allowance of this application are respectfully requested.

Amended independent claims 1, 9, 72, and 82 include among other limitations, "controlling convergence of an adaptive filter responsive to the estimated signal characteristics." Reesor does not disclose the above limitation.

Reesor discloses a conventional adaptor filter in FIG. 1. However, the convergence of that adaptive filter is not controlled responsive to the estimated signal characteristics.

Consequently, amended independent claims 1, 9, 72, and 82 are not anticipated by Reesor.

Amended independent claims 32 and 109 include similar limitations and therefore are also not anticipated by Reesor either.


In short, independent claims 1, 9, 32, 72, 82, and 109 define a novel and unobvious invention over the cited references. Dependent claims 4, 6, 8, 11-31, 35, 37-71, 73-81, 83-108, and 110-136 are dependent from claims 1, 9, 32, 72, 82, and 109, respectively and therefore include all the limitations of their respective independent claims and additional limitations

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therein. Accordingly, these claims are also allowable over the cited references, as being dependent from allowable independent claims and for the additional limitations they include therein.

In view of the foregoing amendments and remarks, it is respectfully submitted that this application is now in condition for allowance, and accordingly, reconsideration and allowance are respectfully requested.

Respectfully submitted,  
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